AMERICAN UNIVERSITY OBSERVATORY of Beirut.

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WEATHER BUREAU

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

OCTOBER 1956

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METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degress Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	57.7	57.2	57.7	57.5	30.1	21.4	26.2	29.2	24.4	26.6
2	59.4	60.0	60.7	60.0	29.7	21.1	24.9	29.3	23.2	25.8
3	61.0	60.5	61.0	60.8	28.8	21.3	24.1	28.3	23.2	25.2
4	61.2	59.9	59.9	60.3	27.5	21.0	24.1	27.2	23.3	24.9
5	60.4	59.3	59.5	59.7	27.5	21.7	23.9	26.6	23.5	24.7
6	59.6	58.6	58.7	59.0	27.6	22.5	23.9	26.8	24.3	25.0
7	58.9	58.8	59.9	59.2	28.5	20.8	25.0	27.9	23.8	25.6
8	61.1	60.7	61.4	61.1	28.2	20.2	23.9	27.8	22.3	24.7
9	62.2	61.3	62.2	61.9	28.2	20.8	23.3	27.7	23.0	24.7
10	62.3	61.3	61.9	61.8	28.3	21.7	23.7	27.2	23.1	24.7
11	61.7	60.9	61.4	61.3	27.5	21.2	24.1	26.9	23.0	24.7
12	62.5	61.3	61.9	61.9	27.6	19.7	23.9	26.3	22.5	24.2
13	63.6	63.3	64.1	63.7	24.9	19.0	22.2	24.5	20.8	22.5
14	64.9	63.9	64.2	64.3	25.2	19.5	21.7	24.9	21.7	22.8
15	64.4	63.4	63.2	63.7	26.3	19.8	21.9	25.0	21.5	22.8
16	62.6	62.2	62.4	62.4	25.8	18.8	22.9	23.3	20.2	22.1
17	61.6	60.5	61.2	61.1	25.6	19.3	21.7	23.7	20.5	22.0
18	61.8	61.0	61.4	61.4	24.9	18.1	21.3	23.9	21.3	22.2
19	61.8	60.9	62.0	61.6	23.7	17.5	20.5	22.9	19.4	20.9
20	63.3	63.1	63.8	63.4	24.0	18.0	20.4	23.8	21.4	21.9
21	64.3	62.8	63.1	63.4	25.6	19.7	20.8	24.4	22.5	22.6
22	62.7	61.2	61.4	61.8	25.8	20.9	22.1	25.2	22.5	23.3
23	63.1	62.4	62.6	62.7	26.3	20.8	23.5	25.2	22.3	23.7
24	62.9	61.9	62.1	62.3	26.1	21.5	22.5	24.6	22.5	23.2
25	62.1	61.0	61.2	61.4	27.1	22.2	23.7	26.1	23.3	24.4
26	62.2	62.3	63.2	62.6	26.0	19.7	24.0	24.7	21.7	23.5
27	64.5	63.5	64.5	64.2	24.9	18.8	21.8	23.7	20.8	22.1
28	64.3	62.4	62.7	63.1	23.7	17.8	20.5	22.8	19.4	20.9
29	62.7	61.3	60.8	61.6	24.0	18.4	20.3	23.2	20.5	21.3
30	59.2	59.5	62.2	60.3	25.0	18.5	21.5	24.3	20.5	22.1
31	64.7	64.6	65.2	64.8	24.7	18.2	22.2	23.4	20.5	22.0
	62.09	61.32	61.85	61.75	26.42	20.00	22.79	25.51	22.03	23.45

Barometer, range for month 765.2 mm. — 757.2 mm.
„ 71-yr. average for month 761.31 mm.
Thermometer, range for month 30.1°C — 17.5°C
„ 71-yr. average for month 24.51°C
Rain total for month 11.43 mm.
„ 71-yr average for month 50.02 mm.
„ Total, Sept. 1st. to end of month 15.50 mm.
„ 71-yr average. Sept. 1st. to end of month 56.21 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	18.5	24.5	21.7	21.6	56	39	78	64	9.2	317.0	
2	22.6	20.4	20.7	21.2	71	49	72	64	9.3	220.0	
3	22.2	21.9	20.7	21.6	76	56	71	68	8.9	150.0	
4	20.9	22.1	22.0	21.7	72	60	77	70	8.8	253.0	
5	22.2	22.6	23.3	22.7	75	64	81	73	9.0	369.0	
6	22.2	24.6	25.0	23.9	75	70	83	76	9.1	592.0	
7	22.6	23.0	21.5	22.4	71	62	72	68	8.8	264.0	
8	19.7	20.4	19.2	19.8	66	54	71	64	9.4	261.0	
9	17.7	22.4	21.2	20.4	61	61	76	66	9.4	203.0	
10	19.7	19.5	20.5	19.9	65	53	74	64	9.2	222.0	
11	21.5	21.3	21.2	21.3	74	60	77	70	9.2	206.0	
12	18.4	18.5	19.9	18.9	63	56	71	63	7.6	311.0	1.27
13	16.8	15.6	15.3	15.9	63	52	64	60	7.9	304.0	10.16
14	16.7	16.3	16.7	16.6	64	51	64	60	10.7	344.0	
15	17.2	18.2	17.8	17.7	67	57	68	64	10.6	245.0	
16	17.5	17.7	14.7	16.6	63	61	63	62	6.1	311.0	
17	15.0	20.9	17.0	17.6	58	70	70	66	6.2	307.0	
18	14.9	14.3	13.8	14.3	61	48	56	55	10.5	608.0	
19	11.0	11.9	10.4	11.1	45	45	46	45	10.4	388.0	
20	11.6	12.7	11.6	12.0	47	42	47	45	10.4	534.0	
21	12.6	14.5	16.4	14.5	53	47	58	53	10.2	620.0	
22	15.7	16.9	18.6	17.1	58	54	71	61	9.6	439.0	
23	22.6	18.2	20.4	20.4	79	58	75	71	9.8	240.0	
24	20.5	20.5	18.0	19.7	75	67	67	70	9.7	219.0	
25	20.7	19.8	14.8	18.4	72	58	52	61	9.8	233.0	
26	17.8	21.1	20.8	19.9	61	68	80	70	9.9	259.0	
27	19.0	21.5	20.5	20.3	73	71	85	76	9.8	142.0	
28	18.7	18.7	17.9	18.4	79	68	80	76	9.9	158.0	
29	13.7	17.1	18.1	16.3	57	60	76	64	10.1	291.0	
30	18.4	18.6	17.6	18.2	71	61	73	68	7.8	261.0	
31	19.8	18.9	14.8	17.8	73	66	60	66	9.0	349.0	
	18.34	19.18	18.45	18.65	65.9	58.3	69.6	64.6	9.24	310.32	0.37

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	1ne	1ne	1ne	light	D. p.m
2	0	0	0	0.0	1sw	1sw	1sw	„	D. p.m
3	0	8st	9st	5.7	1sw	1sw	1w	„	
4	5cu-st	3cu-st	10st	6.0	1ne	1ne	1ne	„	
5	7cu-st	0	9st	5.3	1ne	1n	1ne	„	
6	0	0	0	0.0	2ne	3ne	3ne	light	D.p.m
7	5cu-st	0	0	1.7	1e	1nw	1n	„	
8	0	0	0	0.0	1sw	1w	1w	„	
9	0	0	10st	3.3	1sw	1w	1e	„	
10	0	0	0	0.0	1e	1n	1n	„	
11	0	0	4cu-st	1.3	1ne	1nw	1se	light	
12	10cu-st	9cu-st	10st	9.7	1ne	1w	1w	„	
13	10st	0	0	3.3	1nw	1n	1e	„	
14	0	3ci	0	1.0	1e	1n	3ne	„	
15	1cu	5cu-st	9cu-st	5.0	1ne	1n	1n	„	
16	10st	10st	1cu	7.0	1sw	1w	1s	light	
17	7cu-st	10st-cu	2cu	6.3	1sw	1w	1s	„	
18	0	0	0	0.0	1ne	2ne	3ne	„	
19	0	0	0	0.0	1e	1ne	1ne	„	
20	0	0	0	0.0	1e	1ne	3ne	„	
21	0	0	4ci	1.3	1e	3ne	3ne	light	
22	0	1cu-ci	7cu-ci	2.7	2ne	2ne	1ne	„	
23	0	0	0	0.0	1w	2ne	1ne	„	D.a.m
24	0	0	0	0.0	1ne	1ne	1ne	„	D.a.m
25	0	0	0	0.0	1e	1e	1ne	„	D. a.m
26	0	0	0	0.0	1ne	1n	1ne	light	D. p.m
27	0	0	10st	3.3	1sw	1nw	0	„	D. a.m. p.m
28	0	0	0	0.0	1nw	1nw	1nw	„	D. H.a.m. p.m
29	1ci	1ci	0	0.7	1n	1ne	1ne	„	D. .a.m. p.m.
30	10ci	10ci-st	0	6.7	1sw	1nw	1ne	„	D. a.m.
31	1cu	8cu-st	10st	6.3	1sw	1sw	1sw	„	D. a.m
	mean			2.47					

Abbreviations : G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	11	7	0	0	9	1	2	0	31
14:30	6	11	1	0	0	3	5	5	0	31
20:30	3	16	2	1	2	2	3	1	1	31
Total	10	38	10	1	2	14	9	8	1	93

Number of days with rain 2, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 3.84
Time of reading minus 2 hours equal G.C.T